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L6: Entry 17 of 38

File: DWPI

Jan 10, 1992

DERWENT-ACC-NO: 1992-054500  
DERWENT-WEEK: 199207  
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TITLE: Mfg. porous plaque battery layer - by coating substrate with nickel powder slurry layer based on insol. cellulose, adding nickel slurry plaque layer and sintering

## PATENT-ASSIGNEE:

ASSIGNEE	CODE
INCO LTD	INTN

PRIORITY-DATA: 1991RD-0333065 (December 20, 1991)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>RD 333065 A</u>	January 10, 1992		000	

INT-CL (IPC): H01M 0/01

ABSTRACTED-PUB-NO: RD 333065A  
BASIC-ABSTRACT:

Porous plaque is made for a battery by; coating a metallic current collector with a base layer of Ni powder in an insoluble cellulose-based slurry, the Ni powder being of a form that react more readily with the substrate at the sintering temp. than with the Ni powder of the plaque layer; adding a plaque layer of Ni powder in a cellulose-based slurry; and sintering to form sintered porous plaque.

ADVANTAGE - Use of an insol. cellulose base layer contg. Ni powder more reactive to the substrate than the plaque layer provides a high strength porous plaque using only one sintering step.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: MANUFACTURE POROUS PLAQUE BATTERY LAYER COATING SUBSTRATE NICKEL POWDER SLURRY LAYER BASED INSOLUBLE CELLULOSE ADD NICKEL SLURRY PLAQUE LAYER SINTER

DERWENT-CLASS: A85 L03 X16

CPI-CODES: A03-A05; A10-E05B; A11-B05; A12-E06; A12-W12G; L03-E01B4;

EPI-CODES: X16-B01A; X16-E02;

## POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0231 1276 1517 1737 1982 1996 2020 2198 2200 2297 2299 2428 2439 2493 2505 2575  
2682 2718 2728 2739 3202